

BEST AVAILABLE COPY

L1 1 JP57170701/PN

=> d ti

L1 ANSWER 1 OF 1 JAPIO (C) 2004 EPO on STN
 TI MANUFACTURE OF PLYWOOD

=> d all

L1 ANSWER 1 OF 1 JAPIO (C) 2004 EPO on STN
 AN 1982-170701 JAPIO <<LOGINID::20040910>>
 TI MANUFACTURE OF PLYWOOD
 IN ICHIKAWA TOSHIHARU; YAMADA HIROSHI
 PA AIKA KOGYO KK
 PI ***JP-----57170701*** A 19821021 Showa
 AI 1981JP-0057724 (JP5657724 Showa) 19810416
 PRAI 1981JP-0057724 19810416
 SO INPADOC
 IC ICM B27D-001-04
 ICS C09J-003-16

=> file inpadoc

	QUANTITY @	RATE	ESTIMATED COST
			EUROS
JAPIO FILE		COST=PETER H	

L3 1 JP57170701/PN

=> d ab

L3 ANSWER 1 OF 1 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 AB JP 57170701 A UPAB: 19930915
 Core veneer sheet is coated with a primer compsn. contg. formaldehyde resin adhesive and a filler and contg. no hardener and then coated with a mixt. comprising a hardener for the primer compsn. and an initial adhesion promoting agent comprising predominantly a water-soluble polymer. The primed surfaces are laminated with a top and rear veneer sheets or intermediate veneer sheets.

In further detail the filler is typically wheat flour, soybean flour, inorganic filler, wood powder. The hardener is typically NH4Cl or HCl. The initial adhesion promoting agent is typically polyvinyl alcohol, methyl cellulose, carboxymethyl cellulose, hydroxyethyl cellulose, Na polyacrylate or polyethylene oxide. The primer compsn. is coated by a known sizing machine in an amt. of 250-350 g/sq.m. for the both surfaces and the mixt. is spray coated in an amt. of 0.3-9.0 g/sq.m. for the both surfaces.

The process reduces the pressing time and eliminates the viscosity increase of the primer compsn.

=> s jp04063168/pn

L4 1 JP04063168/PN

=> d pa

L4 ANSWER 1 OF 1 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 PA (MITK) MITSUI TOATSU CHEM INC

Ref 1 (JP)

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-063168

(43)Date of publication of application : 28.02.1992

(51)Int.Cl.

B05D 1/02

B05D 7/24

B32B 7/12

B32B 21/08

(21)Application number : 02-169720

(71)Applicant : MITSUI TOATSU CHEM INC

(22)Date of filing : 29.06.1990

(72)Inventor : MORIMOTO KOJI

DOI KIYOTO

ITO TAKESHI

ITO ATSUSHI

(54) PRODUCTION OF LAMINATE

(57)Abstract:

PURPOSE: To obtain an applying and adhering system enabling adhesion even in the case of a very high curing rate of resin by using 1st and 2nd liq. resin compsns. which are cured by mixing and separately applying and sticking the compsns. to the same surface of a body to be adhered in a noncontact state.

CONSTITUTION: A polymethylene polyphenyl polyisocyanate resin compsn. (A) an a resin compsn. (B) obtd. by stirring and mixing 100 pts.wt. 'Polyol MN-700(R)' obtd. by addition-polymerizing propylene oxide to glycerol, 0.01-2 pts.wt. dibutyl tin dilaurate, 0.1-50 pts.wt. multifunctional mercaptan compd. and 0.1-3 pts.wt. diethyltoluene-diamine are alternately and linearly applied to the same surface of a veneer by 20g/ft² in such a weight ratio as to give 1 equiv. active hydrogen in the compsn. B to 1 equiv. NCO group in the compsn. A. Such veneers are superposed and pressed under 10kg/cm² pressure to produce three-ply plywood. The compsns. can be used without causing defective adhesion.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-015472

(43)Date of publication of application : 26.01.1984

(51)Int.Cl.

C09J 5/00
// B05D 7/24

(21)Application number : 57-126531

(71)Applicant : SUMITOMO CHEM CO LTD

(22)Date of filing : 19.07.1982

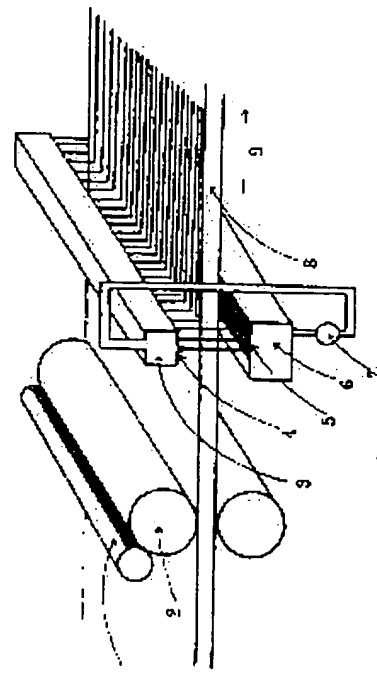
(72)Inventor : ISHIHARA TAKAMASA
TSUKA HIROBUMI

(54) PREPARATION OF LAMINATED MATERIAL

(57)Abstract:

PURPOSE: To prepare laminated materials to technical advantage, by a process wherein either one of a chief material or hardener component of a thermosetting resin adhesive is applied onto the entire surface of an adherend and then the other component is applied in multiple lines onto the above coated surface, on top of which another adherend is laid and stuck to each other by press.

CONSTITUTION: Either one of a chief material or hardener component of a thermosetting resin adhesive is applied onto the entire surface of an adherend 8 by a rotating roll 2. The other component in a storage tank and a recovery tank 6 is fed into a vessel 3 by a press. pump 7 and applied from a discharge 4 onto the coated surface of said adherend 8 in string or thread forms. Another adherend is laid on top of the above adherend 8 and pressed to each other. As a result, one component applied onto the entire surface of adherend 8 and the other component applied onto the resulting surface in linear forms are mixed together to complete adhesion. According to this technique, washing becomes unnecessary and a continuous or intermittent operation for several days is possible. Application of the adhesive components is economical and easy to operate, and laminated materials are prep'd. to highly technical advantage.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's decision]

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 60-190272

(43)Date of publication of application : 27.09.1985

(51)Int.Cl.

B05D 7/24
B05D 1/36

(21)Application number : 59-043949

(71)Applicant : HITACHI LTD

(22)Date of filing : 09.03.1984

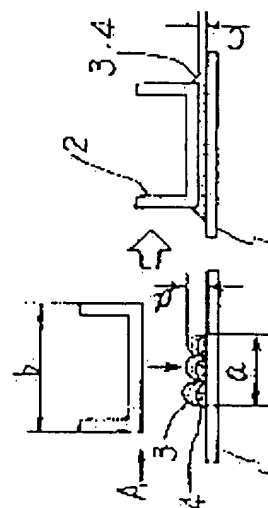
(72)Inventor : KIKUCHI SHIGEAKI
KIKUSHIMA TOSHITSUGU

(54) ADHESIVE COATING METHOD

(57)Abstract:

PURPOSE: To perform the coating of two solutions at once so as to uniformize the mixing ratio of both solutions, in a method for coating a quick-curable type two-component liquid adhesive, by coating one solution so as to superpose the same to the other solution.

CONSTITUTION: When bodies 1, 2 to be adhered are adhered, adhesives 3, 4 are applied to the adhesive surface of the body 1 to be adhered so as to be superposed to each other. At this time, a coating width (a) is made smaller than an adhesive width (b) and, further, a height (d), when the adhesives are coated, is made larger than the thickness (c) of the adhesive layer when the bodies 1, 2 to be adhered are laminated. In this case, if the adhesives are applied so as to be spread over the whole of the adhesive surface when both bodies 1, 2 to be adhered are laminated, the flow of the adhesives 3, 4 becomes active and a good mixing state is obtained.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection][Date of requesting appeal against examiner's decision
of rejection]

[Date of extinction of right]